



# Come Discover the Future of *Space Exploration* Johnson Space Center’s OPEN HOUSE 2005

## Open House Highlights

### Space Shuttle Display - Building 9

See a full-size mockup of the Space Shuttle used for training astronauts. Meet people who work in the Space Shuttle program and learn about NASA’s effort to return the Shuttle safely to flight.

### International Space Station Display - Building 9

See full size mockups of the International Space Station. Meet people who work in the ISS program (including our partner nations), and learn how the Space Station serves as a laboratory for space-based research.

### Robotics Exhibit - Building 9

Watch robots in action and learn how they are important tools for humans living and working in space.

### Exploration Program - Building 2

NASA’s new Vision for Exploration leads back to the moon and beyond. Visit the Bldg. 2 auditorium lobby to see exhibits about future exploration and sit in on one or more of the auditorium presentations about exploration. The schedule will be posted in the auditorium lobby.

### NASA People at Work Photography Exhibit - Building 2

See a collection of artistic photographs of NASA people at work, displayed in the lobby of the Teague Auditorium.

### Supporting Humans in Space - Building 2

Like everyone else, astronauts in space need proper food, medical care and a safe living environment. Discover how NASA meets the challenges of providing these life essentials by visiting exhibits in the Bldg. 2 auditorium lobby.

### Astronaut Training - Building 5

Just as commercial aircraft pilots “fly” simulators to build their skills, astronauts practice flying the Space Shuttle in the Shuttle Mission Simulator.

### Mission Control - Building 30

When human space flights are in progress they are monitored and managed from JSC’s Mission Control Center. Since the mid 1960s, the MCC has been thought of by most as the heart of the U.S. human space flight program. The historic Apollo-era control room has been preserved as a national landmark and can be seen on the tour. The building also houses today’s Space Shuttle and International Space Station flight control rooms. The ISS control room is in continuous operation, providing ongoing flight control for the Space Station.

### Vacuum Chamber/ Space Suits - Building 32

One of the world’s largest vacuum chambers, used to test large pieces of spacecraft in a realistic environment, is open for you to see. The big 100-foot chamber has smaller cousins in the same building used to test astronaut space suits. While you’re there, see displays of current, past and future space suits and talk to the engineers who design and work on them.

### Engineering and Design - Buildings 7, 13 and 14

JSC is known for its engineering and development capabilities, designing and testing new technologies important for space flight. Studies in long term human life support necessary for future flights have been done here and JSC engineers have impressive capabilities in such areas as computational fluid dynamics. Don’t miss the other-worldly anechoic chamber in Bldg. 14 where spacecraft communications gear is tested.

### Bus tours to Ellington Field and the NBL

Catch the free shuttle bus to Ellington Field and the Sonny Carter Training Facility’s Neutral Buoyancy Laboratory. The NBL is NASA’s huge indoor pool used to train astronauts for space walks. Get up close to the unusual aircraft in NASA’s fleet kept at Ellington Field. Buses stop along second street across from Building 14 (see map). Don’t miss the last bus back to JSC at 4:45 p.m. It’s a long walk!

### Moon Rock Lab - Building 31

Wondering what happened to all those moon rocks and lunar soil brought back during the Apollo program? See inside the lunar lab in Building 31 to find out. Space is very limited for lunar lab tours. Pick up your free tickets on the northwest side of Building 31 and remember to return at least five minutes before the scheduled start of your tour.

### Education Activities for Children

Look for outdoor booths featuring educational and fun activities for kids. Many of these will be located in the vicinity of Building 2.

### Outdoor Entertainment

Several bands will provide entertainment throughout the day on stage west of the Bldg. 3 Café. If you like classic autos, go to Bldg. 5 to see the “Astrovette,” one of three matching black and gold 1969 Corvettes once owned by the crew of Apollo 12. Astronaut Alan Bean owned the one on display. Also, a variety of classic autos owned by current and former space program workers will be on display from 10 a.m. to noon in the parking lot just west of the Bldg. 2 auditorium. Approximately 20 hot air balloons will be displayed at various times during the day near the southwest side of the Center.

### Astronaut Autographs - Buildings 3, 9 (north side tram lobby), and 13

Meet an astronaut and come away with an autograph for your collection.

## Building Key

Building/Facility	Display or Activity
2	Exhibits on future space exploration, Mars rover model, space food, astronaut medical care in space, biological research, artistic photography of NASA people at work, spacecraft technology.
3	Food and drink sales. Space souvenirs. Astronaut autographs.
5	Flight simulators for astronaut training.
7	Long-term human life support, vacuum chambers.
8	Clinic (no exhibits)
9	Full-size mockups of the International Space Station and Space Shuttle. Robotics demonstrations. Astronaut autographs in tram lobby on north side.
11	Food and drink sales. Space souvenirs.
13	Engineering and technology exhibits. Astronaut autographs. Educational wind tunnel. NASA White Sands Facility exhibit. Space souvenirs.
14	Anechoic chamber. Technology exhibits.
30	Mission Control.
31	Moon rock lab. Tickets required (free). Pick up tickets for scheduled times at Bldg. 31 north side.
32	Hugh vacuum chamber. Space suit exhibits.
NBL	Sonny Carter Training Facility/ Neutral Buoyancy Laboratory. 100-ft. by 200-ft. pool, 40 feet deep, where astronauts train for space walks.
Ellington Field	NASA Aircraft Operations